

## 3M 2097

# 3M 2097 P100 Particulate Filter Instruction Manual

Model: 2097 | Brand: 3M

## 1. INTRODUCTION

The 3M 2097 P100 Particulate Filter is designed to provide respiratory protection against a wide range of airborne particulate contaminants. This filter is NIOSH-approved for environments containing certain oil and non-oil based particles, and also offers nuisance level organic vapor relief. It is intended for use with compatible 3M half and full facepiece respirators.

### 3M Particulate Filters

**Help protect  
your workforce.**



*Image: Overview of 3M Particulate Filters, emphasizing workforce protection.*

## 2. IMPORTANT SAFETY INFORMATION

**WARNING:** This filter is not for use in hazardous environments with high concentrations of organic vapors. Misuse of 3M industrial and occupational products may result in injury, sickness, death, or property damage. Always select and use products in compliance with applicable health and safety regulations and standards (e.g., U.S. OSHA, ANSI), as well as all product literature, user instructions, warnings, and other limitations.

For help with product selection and use, consult your on-site safety professional, industrial hygienist, or other subject matter expert. For additional product information, visit [www.3M.com](http://www.3M.com).

### 3. PRODUCT OVERVIEW

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The 3M 2097 P100 Particulate Filter is a pink, circular filter designed for easy attachment to compatible 3M respirators. It features a P100 rating, indicating it filters at least 99.97% of airborne particles. Additionally, it provides nuisance level relief from organic vapors, making it suitable for various applications where both particulate and low-level organic vapor protection are needed.



*Image: A single 3M 2097 P100 Particulate Filter, showing its pink color and "3M P100 2097 NIOSH" markings.*

### 4. COMPATIBILITY

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These 3M 2097 P100 Particulate Filters are compatible with the following 3M respirator series:

- 3M Half Facepiece Respirators (e.g., 5000, 6000, 6500 Series)
- 3M Full Facepiece Respirators (e.g., 7000, FF-4 Series)

Ensure your respirator uses a bayonet-style filter/cartridge connection for proper fitment.

## 3M™ Gas/Vapor Cartridges 6000 Series

3M™ Gas/Vapor Cartridges are NIOSH-approved and designed to help filter a broad range of gases and vapors.

These cartridges are compatible with the 3M half and full facepiece designs with a bayonet style filter/cartridge connection, and certain 3M™ Scott™ full facepieces.



*Image: Illustration of 3M Particulate Filters 2000 Series, including the 2097, compatible with half and full facepiece designs.*

## 5. SETUP AND INSTALLATION

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To install the 3M 2097 P100 Particulate Filters onto your compatible 3M respirator:

1. Align the filter's bayonet fitting with the corresponding receptacle on the respirator.
2. Push the filter onto the receptacle.
3. Twist the filter clockwise until it clicks into place. A quarter turn is usually sufficient.
4. Repeat for the second filter on the other side of the respirator.
5. Perform a user seal check according to your respirator's instructions to ensure a proper fit.





*Image: Two 3M 2097 P100 Particulate Filters, showing the front and back with the twist-lock mechanism.*

## 6. OPERATING INSTRUCTIONS

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Once the filters are securely attached and a proper seal is confirmed, the respirator is ready for use. Always wear the respirator in accordance with your workplace safety guidelines and the specific instructions for your respirator model. Ensure the filters are not obstructed and that breathing remains comfortable.



*Image: A worker wearing a 3M half-face respirator equipped with pink particulate filters, demonstrating typical use in an industrial setting.*

## 7. MAINTENANCE

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The 3M 2097 P100 Particulate Filters are disposable and should be replaced when breathing becomes difficult, or if the filters become damaged, soiled, or if you detect odors or tastes from contaminants. The frequency of replacement depends on the concentration of contaminants, breathing rate, humidity, and other factors. Always follow the specific replacement schedule recommended by 3M or your safety professional.

Store unused filters in their original packaging in a clean, dry environment away from contaminants.

## 8. TROUBLESHOOTING

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- **Difficulty Breathing:** If breathing becomes difficult, it indicates that the filters are clogged with particulates and need immediate replacement.
- **Detection of Odor/Taste:** If you detect the odor or taste of contaminants while wearing the respirator, the filters may be saturated or improperly sealed. Immediately leave the contaminated area, check the seal, and replace the filters if necessary.
- **Loose Fit:** If the respirator feels loose or the seal check fails, adjust the head straps to ensure a snug and secure fit.

## 9. SPECIFICATIONS

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Feature	Detail
Model Number	2097
Brand	3M
Filter Type	P100 Particulate Filter with Nuisance Level Organic Vapor Relief
NIOSH Rating	P100
Material	Activated Carbon
Item Weight	0.32 ounces
Product Dimensions	7 x 6 x 2 inches
Color	Pink

## 10. WARRANTY AND SUPPORT

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For detailed warranty information, technical support, or further assistance with your 3M 2097 P100 Particulate Filters or compatible 3M respirators, please refer to the official 3M website or contact 3M customer service directly. Product literature and user instructions are available on [www.3M.com](http://www.3M.com).

